

```

MODULE OnlineShoppingPlatform

IMPORTS
EXTENDS
    Naturals,
    Integers,
    Sequences,
    TLC,
    FiniteSets

VARIABLES i, pc

Init    $\triangleq (pc = \text{"start"}) \wedge (i = 0)$ 

Pick    $\triangleq \vee \wedge pc = \text{"start"}$ 
           $\wedge i' \in 0 \dots 1000$ 
           $\wedge pc' = \text{"middle"}$ 

Add1   $\triangleq \vee \wedge pc = \text{"middle"}$ 
           $\wedge i' = i + 1$ 
           $\wedge pc' = \text{"done"}$ 

Next    $\triangleq Pick \vee Add1$ 

```